



Indiana Department of Environmental Management
Office of Water Quality
Wetlands Section

Publication Date:

June 10, 2009

IDEM ID Number:

2009-258-64-JPS-A

Closing Date:

July 1, 2009

Corps of Engineers ID Number:

Not Available

PUBLIC NOTICE

To all interested parties:

This letter shall serve as a formal notice of the receipt of an application for **Section 401 Water Quality Certification** by the Indiana Department of Environmental Management (IDEM). The purpose of the notice is to inform the public of active applications submitted for water quality certification under Section 401 of the Clean Water Act (33 U.S.C. § 1341) and to solicit comments and information on any impacts to water quality related to the proposed project. IDEM will evaluate whether the project complies with Indiana's water quality standards as set forth at 327 IAC 2.

1. Applicant: Ms. Laura Hilden
Indiana Department of Transportation
100 North Senate Avenue, Room N642
Indianapolis, IN 46204

2. Agent: Katherine Smutzer
Indiana Department of Transportation
100 North Senate Avenue, Room N642
Indianapolis, IN 46204

3. Project location: SE ¼ of Section 2, Township 37 North, Range 5 West, Michigan City West U.S.G.S. Quad.
Small structure replacement over Brown Ditch under US 20 0.4 mile east of SR 520 in Porter County

4. Affected waterbody: Brown Ditch

5. Project Description: The applicant proposes to replace the existing structure that carries US 20 over Brown Ditch. The existing structure is a 57 feet long, 12 ft span x 13 ft rise concrete box culvert. The proposed structure is a 110 feet long, 16 ft span x 10 ft rise concrete box culvert. Minor reshaping of the stream at both ends of the new culvert will be required and will temporarily impact 0.025 acre of emergent wetland. Rip rap will be placed for 45 linear feet upstream and 20 linear feet down stream of the new structure. No compensatory mitigation is proposed.

Comment period: Any person or entity who wishes to submit comments or information relevant to the aforementioned project may do so by the closing date noted above. Only comments or information related to water quality or potential impacts of the project on water quality can be considered by IDEM in the water quality certification review process.

Public Hearing: Any person may submit a written request that a public hearing be held to consider issues related to water quality in connection with the project detailed in this notice. The request for a hearing should be submitted within the comment period to be considered timely. The request should also state the reason for the public hearing as specifically as possible to assist IDEM in determining whether a public hearing is warranted.

Questions? Additional information may be obtained from Mr. Jared Sanders, Project Manager, at 317-234-6352. Please address all correspondence to the project manager and reference the IDEM project identification number listed on this notice. Indicate if you wish to receive a copy of IDEM's final decision. Written comments and inquiries may be forwarded to -

Indiana Department of Environmental Management
100 North Senate Avenue
MC65-42 WQS IGCN 1255
Indianapolis, Indiana 46204-2251
FAX: 317/232-8406



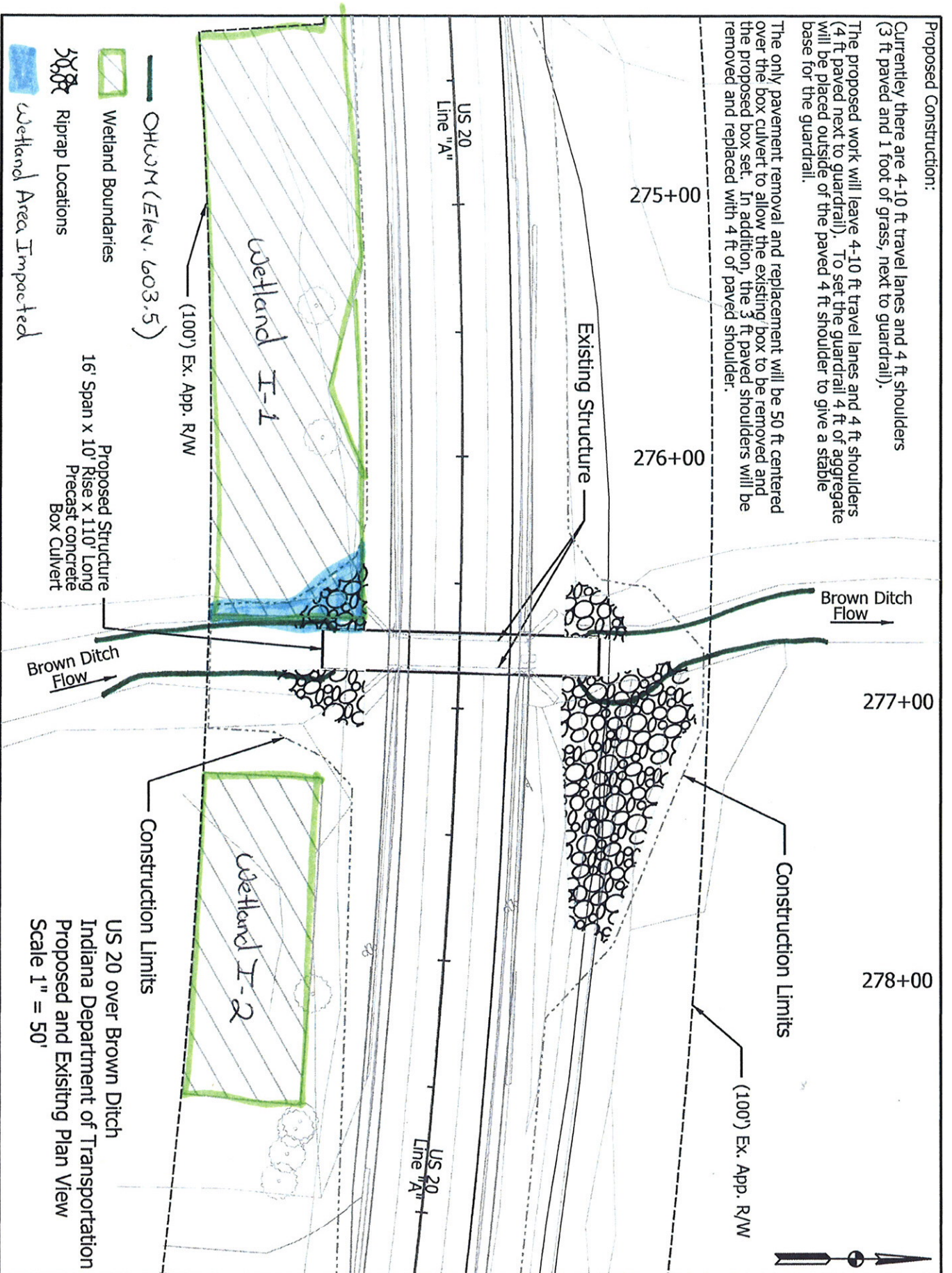
0 700 1,400 2,800 Yards

Proposed Construction:

Currently there are 4-10 ft travel lanes and 4 ft shoulders (3 ft paved and 1 foot of grass, next to guardrail).

The proposed work will leave 4-10 ft travel lanes and 4 ft shoulders (4 ft paved next to guardrail). To set the guardrail 4 ft of aggregate will be placed outside of the paved 4 ft shoulder to give a stable base for the guardrail.

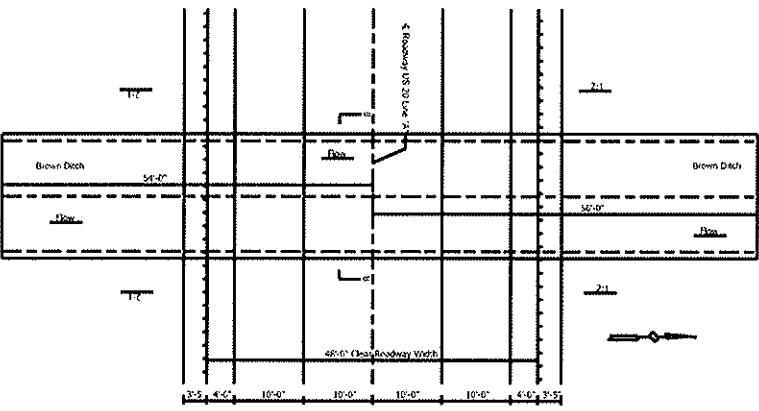
The only pavement removal and replacement will be 50 ft centered over the box culvert to allow the existing box to be removed and the proposed box set. In addition, the 3 ft paved shoulders will be removed and replaced with 4 ft of paved shoulder.



HORNBALLIC DATA Existing Area: 3.02 mi² Q100 Discharge: 600 cfs Q100 Elevation: 600.27 ft. PROPOSED CULVERT Proposed Bedchamber: 1.20 ft. Proposed Roadway: 1.20 ft. Road Waterway Area Below Q100: 90 ft. Min. Low Structure Elevation: 600.53 ft. Proposed Slope: 0.00 Road Overlap Area Below Q100: 0.00 Structure Height: 1.10 ft. Grade Base: 0.0 ft. Drainage Area: 3.02 sq. mi. All Elevation are based on a flow line elevation of 602.03 ft.

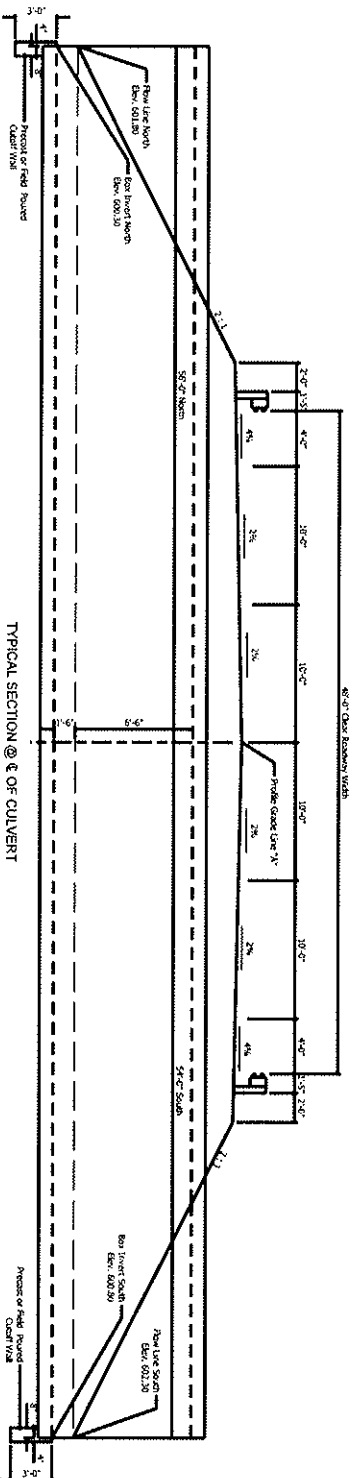
Designed for H-33 loading in accordance with 2007 MSHTD
 LRFD Bridge Design Specifications with Edition herein, and
 subsequent editions.
 Designed for Michigan Truck Traffic Live Load.
 A Three Sided Arch Structure will not be permitted at this location.

SHEET INFORMATION			
NO. OF SHEETS	1	OF	1
DATE OF DESIGN	11/11/10	BY	WJ
DATE OF REVISION	11/11/10	BY	WJ
DATE OF REVISION	11/11/10	BY	WJ
DATE OF REVISION	11/11/10	BY	WJ

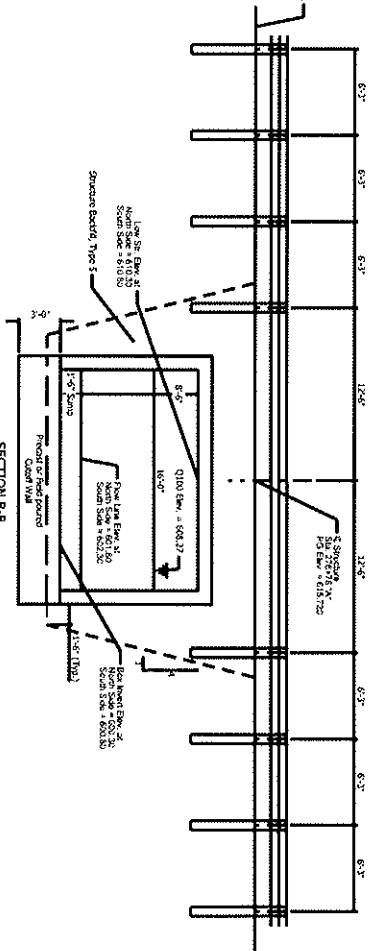


PLAN VIEW
 Scale: H = 1" = 10'

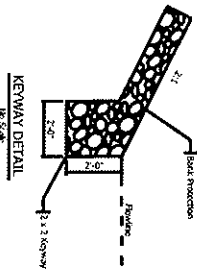
Precast Reinforced Concrete Box Culvert
 16' (Span) x 10' (Rise) 0° Skew
 48' Clear Roadway Width
 On US 20, Porter County



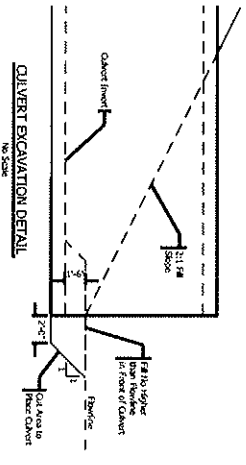
TYPICAL SECTION @ 6' OF CULVERT
 Scale: H = 1" = 10'



SECTION B-B
 Scale: H = 1" = 10'



KEYWAY DETAIL
 No Scale



CULVERT EXCAVATION DETAIL
 No Scale

APPROVED			
DESIGNED BY	WJ	CHECKED BY	WJ
DATE	11/11/10	DATE	11/11/10
DESIGNED BY	WJ	CHECKED BY	WJ
DATE	11/11/10	DATE	11/11/10
DESIGNED BY	WJ	CHECKED BY	WJ
DATE	11/11/10	DATE	11/11/10

INDIANA
 DEPARTMENT OF TRANSPORTATION
 GENERAL PLAN

SHEET			
NO.	1	OF	1
DATE	11/11/10	DATE	11/11/10
DESIGNED BY	WJ	CHECKED BY	WJ
DATE	11/11/10	DATE	11/11/10
DESIGNED BY	WJ	CHECKED BY	WJ
DATE	11/11/10	DATE	11/11/10